

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77	SERIAL NO. 10/023,888
1 <sup>ST</sup> REFERENCES CITED BY APPLICANT  SEP 2 2 2003 EXAMINER INITIALS SJC154		APPLICANT William M. CANFIELD		RECEIVED SEP 26 2003 U.S. PATENT AND TRADEMARK OFFICE	
		FILING DATE December 21, 2001		GROUP 1652	
U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	AA				
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FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY		TRANSLATION YES      NO
ED	AO 99/31117	06/24/99	WIPO		
	AP				
	AQ				
	AR				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
ED	AS	Ke-Wei ZHAO, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphotransferase", Glycobiology, Vol. 2, no. 2, pp. 119-125, 1992			
ED	AT	Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New(cDNA Clones from Brain Which Code for Large Proteins in vitro", DNA Research, Vol. 6, pp. 337-345, 1999			
ED	AU	XP-002226188, "KIAA1208 protein (Fragment)", From Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New(cDNA Clones from Brain Which Code for Large Proteins in vitro", DNA Research, Vol. 6, pp. 337-345, 1999			
ED	AV	XP-002226187, "Basic domain/leucine zipper transcription factor (Fragment)", From CORDES, et al., "The mouse segmentation gene kr encodes a novel basic domain-leucine zipper transcription factor" (1994), Cell, Vol. 7, No. 9, pp. 1025-1034			
				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner <i>E. Stoberry, Jr. &amp; Lee</i>				Date Considered <i>12/9/03</i>	

*\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.*

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PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
203515US77SERIAL NO.  
10/023,888

## LIST OF REFERENCES CITED BY APPLICANT

SEP 22 2003

APPLICANT  
William M. CANFIELDFILING DATE  
December 21, 2001GROUP  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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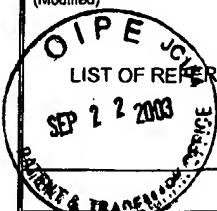
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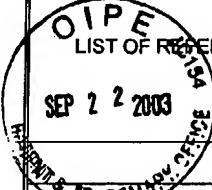
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BO					
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BS					
BT					
BU					
BV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>ES</i>	BW	Karen Gheesling MULLIS, et al., "Purification and Kinetic Parameters of Bovine Liver N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", The Journal of Biological Chemistry, Vol. 269, No. 3, Issue of January 21, pp. 1718-1726, 1994
<i>ES</i>	BX	Jin Kyu LEE, et al., "Purification and Characterization of Human Serum N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", Archives of Biochemistry and Biophysics, Vol. 319, No. 2, June 1, pp. 413-425, 1995
<i>ES</i>	BY	Theodore PAGE, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase", Glycobiology, Vol. 6, no. 6, pp. 619-626, 1996
<i>ES</i>	BZ	Thomas J. BARANSKI, et al., "Lysosomal Enzyme Phosphorylation", The Journal of Biological Chemistry, Vol. 267, No. 32, Issue of November 15, pp. 23342-23348, 1992
Examiner	<i>ES, Stobodyschesky</i>	<input type="checkbox"/> Additional References sheet(s) attached Date Considered <i>12/91/03</i>

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77	SERIAL NO. 10/023,801	
 LIST OF REFERENCES CITED BY APPLICANT		APPLICANT		RECEIVED SEP 26 2003		
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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CV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)						
<i>SJ</i>	CW	Ritva TIKKANEN, et al., "Several cooperating binding sites mediate the interaction of a lysosomal enzyme with phosphotransferase", The EMBO Journal, vol. 16, No. 22, pp. 6684-6693, 1997				
<i>SJ</i>	CX	Fumito MATSUURA, et al., "Human alpha-galactosidase A: characterization of the N-linked oligosaccharides on the Intracellular and secreted glycoforms overexpressed by Chinese hamster ovary cells", Glycobiology, vol. 8, no. 4, pp. 329-339, 1998				
<i>SJ</i>	CY	Shiroh MAGUCHI, et al., "Elevated Activity and Increased Mannose-6-phosphate in the Carbohydrate Moiety of Cathepsin D from Human Hepatoma", Cancer Research, Vol. 48, pp. 362-367, January 15, 1988				
<i>SJ</i>	CZ	Norman W. Barton, et al., "Therapeutic response to intravenous infusions of glucocerebrosidase in a patient with Gaucher disease", Proc. Natl. Acad. Sci. USA, Vol. 87, pp. 1913-1916, March 1990				
					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner	<i>S. Stoboyawley</i>					Date Considered <i>12/9/03</i>
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		APPLICANT William M. CANFIELD	RECEIVED SEP 26 2003 U.S. PATENT AND TRADEMARK OFFICE		
		FILING DATE December 21, 2003	GROUP 1652		
U.S. PATENT DOCUMENTS					
EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
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DN					
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DU					
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
EJ	DW	R.O. BRADY, et al., "Modifying Exogenous Glucocerebrosidase for Effective Replacement Therapy in Gaucher Disease", J. Inher. Metab. Dis., Vol. 17, (1994), pp. 510-519			
EJ	DX	Emil D. KAKKIS, et al., "Overexpression of the Human Lysosomal Enzyme $\alpha$ -L-Iduronidase in Chinese Hamster Ovary Cells", Protein Expression and Purification, Vol. 5, (1994), pp. 225-252			
EJ	DY	Ke-Wei ZHAO, et al., "Carbohydrate Structures of Recombinant Human $\alpha$ -L-Iduronidase Secreted by Chinese Hamster Ovary Cells", The Journal of Biological Chemistry, Vol. 272, No. 36, Issue of September 5, 1997, pp. 22758-22765			
EJ	DZ	Robin J. ZIEGLER, et al., "Correction of Enzymatic and Lysosomal Storage Defects in Fabry Mice by Adenovirus-Mediated Gene Transfer", Human Gene Therapy, Vol. 10, pp. 1667-1682, (July 1, 1999)			
				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner	<i>E. Slobodayacskay</i>			Date Considered <i>12/10/03</i>	
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77	SERIAL NO. 10/025110
<p style="text-align: center;"><b>O I P E</b> LIST OF REFERENCES CITED BY APPLICANT SEP 22 2003</p>		<p>APPLICANT William M. CANFIELD</p>		FILING DATE December 21, 2003	GROUP 1652
U.S. PATENT DOCUMENTS					
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EU					
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
EW	Huaichang SUN, et al., "Retrovirus Vector-Mediated Correction and Cross-Correction of Lysosomal $\alpha$ -Mannosidase Deficiency in Human and Feline Fibroblasts", Human Gene Therapy, Vol. 10, pp. 1311-1319, (May 20, 1999)				
EX	Ajj REUSER, et al., "Lysosomal storage diseases: cellular pathology, clinical and genetic heterogeneity, therapy", Ann Biol Clin., Vol. 52, (1994), pp. 721-728				
EY					
EZ	<input type="checkbox"/> Additional References sheet(s) attached Examiner <i>E. Slobodyaevsky</i> Date Considered <i>12/9/03</i>				
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